Special Issue

Advanced Flexible Forming Technologies

Message from the Guest Editors

Dear colleagues, This Special Issue aims to address the latest research related to advanced flexible forming technologies using high pressure/high temperature based on lightweight materials including titanium alloys, aluminum alloys, superalloys, copper alloys, composite materials and multi-materials structure composites, as well as plastic materials. Finally, the forming technologies are listed as follows:

- Hot isostatic pressing, hot pressing, powder metallurgy and other advanced high pressure/high temperature forming technologies;
- Hydro-forming and other fluid media-forming technologies;
- Diffusion bonding and other advanced joining technologies;
- Forming technologies of composite materials and multi-materials structure composites;
- Other advanced flexible forming technologies like incremental forming, spinning, rubber bladder forming, creep age forming, shot peening, extremely low temperature forming, high-speed forming including electric magnetic forming, electric hydro forming and explosive forming;
- Some other innovative forming technologies.

High-quality research articles are encouraged and welcome to be submitted to this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)

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About the Journal

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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